

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

November 21, 2013

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-8704716, issued to RAVEN RIDGE ENERGY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: C. E. LAMB 12

Farm Name: WILLARD THOMPSON, ET UX

API Well Number: 47-8704716

Permit Type: Re-Work

Date Issued: 11/21/2013

Promoting a healthy environment.

WW - 2B (Rev. 8/10)

X #83230

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

r) well Opera	.UI. KAVI	EN NIDO	SE ENERGY, LL	Operator ID		7 District Quad	drangle
2) Operator's \	Well Numl	oer:_CE	LAMB 12		3) Elevation:		J
4) Well Type:	(a) Oil_X	or Ga	as X				
(b) If Gas:	Produ	uction X / Un	derground Sto	orage		
		Dee	p/ \$	Shallow X			
5) Proposed T 6) Proposed T 7) Approximate 8) Approximate	otal Depth e fresh wa	n: 3,200 Iter strata	Feet a depths: 200'	Formation at	Proposed Tar Proposed Tot	rget Depth: 3,000' al Depth: 3,200'	
9) Approximate	e coal sea	ım depth	s: NO COAL L	ISTED ON TI	TLE		
10) Approxima	te void de	epths,(co	al, Karst, other)	NONE			
11) Does land	contain co	oal seam	s tributary to ac	tive mine? _	NO		
			nd fracturing meth LL OUT PLUG (al sheets if needed)	
			= > 1			PERFORKTI	
V	1		10/10	13		SHUT OFF FRON ONR	
13)	SDECIEIO	100000000000000000000000000000000000000	ASING AND TU		The same of the sa	STAGE	2 mm
TYPE	SPECIFIC			FOOTAGE	INTERVALS		7
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)	
Conductor							
Fresh Water	9 5/8"	J-55	27 LBS	350'	350'	EXISTING	· Institute
Coal							
Intermediate	7"	J-55	17 LBS	1,800'	1,800'	EXISTING	
Production	4 1/2"	J-65	10.5 LBS	2410	2410'	EXISTING	
Tubing							
Liners							
					Property and a finished and a finish		1

Received

OCT 15 2013

Office of Oil and Gas

WW Dept. of Environmental Protection

WW-2	2A
(Rev.	6-07)

WV Department of 1). Date: OCTOBER 10, 2013 Environmental Projection 2.) Operator's Well Number State County 47-3.) API Well No.: 087

STATE OF WEST VIRGINIA

CHECK	# 8323
\$1,100	00
P1,100	Pena 155

DEP	NOTICE AND APPLI	CATION FOR A WELL WORK PERMIT
1) O f O.	was well to be a samual.	DAVI SERVED (a) Coal Operator
(a) Name	vner(s) to be served:	Name
Address	ACAA CTOINGTOWN	Address
Address	1614 STRINGTOWN	Address
(h) Nama	SPENCER, WV 25276	(b) Coal Owner(s) with Declaration
(b) Name		Name
Address		
		Address
(c) Name		Name
Address		Address
	-	
6) Inspector	ED GAINER	(c) Coal Lessee with Declaration
Address	PO BOX 821	Name
	SPENCER, WV 25276	Address
Telephone	(304) 389-7582	
		NAMED ABOVE TAKE NOTICE THAT:
Included is t		uing contract or contracts by which I hold the right to extract oil and gas
OR	ino loddo or loddoo or carer commi	and some action continues by miles miles and right to extract on and gas
	the information required by Chapte	er 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)
I certify	that as required under Chapter 2	22-6 of the West Virginia Code I have served copies of this notice and
application, a lo		cuments pages 1 through on the above named parties by:
	Personal Service (Affidavit	
_	X Certified Mail (Postmarked	
-	Publication (Notice of Publi	
		and 35 CSR 4, and I agree to the terms and conditions of any permit
issued under thi		personally examined and am familiar with the information submitted on
this application	form and all attachments, and the	at based on my inquiry of those individuals immediately responsible for
obtaining the inf	ormation. I believe that the information	ation is true, accurate and complete.
		alties for submitting false information, including the possibility of fine and
imprisonment.		
WEST	OFFICIAL SEAL N	ator RAVEN RIDGE ENERGY, LLC
1 2 2 B	Notary Public, State of West Virgin 2	RYAN CUNNINGHAM
(自然主张)	CATHY J TOWNSEND KEETENS	OFFICER
*	259 Scenic River Road Procious, WV 25164 Address	3230 PENNSYLVANIA AVENUE (.)
A STATE OF THE PARTY OF THE PAR	My commission expires June 2, 2021	CHARLESTON, WV 25302
Subscribed and	sworn before me, this 110 da	ay of OCTOBER , 2013
THE A	Take the last	, _0//
1 TOUNG /1.	10UNDER WOLTER	Notary Public
My Commission		Tune 2, 2021
Oil and Gas Privacy	Notice	

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov WW-70 Rev. 7/01

Affidavit of Personal Service

State of West Virginia County of Kanawher
County of Unaute
The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of
(1) Notice on Form WW-2(A) _ / WW-3(A) _ / WW-4(A) _ / WW-5(A) _ / WW-6(A) _ (2) Application on Form WW-2(B) _ / WW-3(B) _ / WW-4(B) _ / WW-5(B) _ / WW-6(B) _ (3) Plat showing the well location on Form WW-6, and (4) Construction and Reclamation Plan on Form WW-9
all with respect to operator's Well No. CE Lamb 12 located in Smithfuld District, LOUL County, West Virginia, upon the person or organization named
hluis Trompson - POH for Willard Trompsonby delivering the same in Koara County, State of Wist Vitainia on the 112 day of Otobur, 2013 in the manner specified below
[COMPLETE THE APPROPRIATE SECTION]
For an individual: [] Handing it to him / her / or, because he / she / refused to take it when offered it, by leaving it in his / her / presence.
[] Handing it to a member of his or her family above the age of 16 years named who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible. DOA for Willard Thompson
For a partnership: [] Handing it to , a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.
For a limited partnership: [] Handing it to the general partner, named, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.
For a corporation: [] Handing it to the corporation's employee/ officer/ director/ attorney in fact/ named
(Signature of person executing service)
Taken, subscribed and sworn before me this 11th day of October 2013. My commission expires June 2, 2013.
OFFICIAL SEAL Notary Public, State of West Virginia 259 Scenic Road Procious, WV 25164 My commission expires June 2, 2021 And Gas protection
OCT Office of Oil and Gas Office of Oil and Gas Office of Environmental Protection

		SU	RFACE OWN	IER WAIVE	R			
County	ROANE		Operate Operate	or or well nu		RAVEN RIDGE EN CE LAMB 12	NERGY, LL	<u>c</u>
	INSTE	RUCTIONS TO SU	JRFACE OWN	NERS NAM	ED ON PAG	E WW2-A		
If the surface appeared on the the only of permits are variable.	tract is owned by the Sheriff's tax tie wner who will ac alid for 24 months mediately if you k	ed on page WW2/ more than three cket on the land o tually receive the land own on the land own who it is. Also of the land own who it is. Also of the land own who it is. To file comme	persons, ther r because you se materials.) wn any interes o, please notification REQUIRE	n these mat u actually oc u S ee C hap ti in the surf fy the well o	erials were a ccupy the sui pter 22 of the ace tract, pla perator and ANY COMM	served on you be reace tract. In eithe West Virginia ease forward the the Office of Oil a	ecause yo ther case, Code. V ese materia	our name you may Vell work
Chief, Office of Department of 601 57 th St. Si Charleston, W (304) 926-045	f Environmental P E 'V 25304	rotection						
Time Limits a operator files to be filed in pentite sure of the handling. If you the planned w	and methods for his Application. Y son or received in e dat e. C heck w bu have been con ork described in the	filing comments You have FIFTEE I the mail by the Co I the your postman I tacted by the well hese materials, the	N (15) DAYS a Chief's office b ster to ens ure operator and en the permit	after the filir by the time s a dequate you have s may be issu	ig date to file stated above d elivery tim igned a "volu led at any tin	e your comments . You may call t e or to ar range untary statement ne.	s. Comme he Chief's s pecial e of no obje	ents must office to expedited ection" to
well operator's from the applic The C 1) The C 2) The 3) De 4) The	name and well neation. You may a hief has the power proposed well we soil erosion and amage would occure proposed well well well well well well well we	n writing. Your of number and the appendent of the country or condition work will constituted sediment controllur to publicly owner work fails to protecommitted a subs	proximate loc ints, such as s ition a well wo e a hazard to t I plan is not ac ed lands or res ct fresh water	cation of the ketches, mark permit bathe safety of dequate or esources;	proposed waps or photogused on comif persons. effective;	ell site including graphs to suppor ments on the foll	district an rt your con owing gro	d county nments. unds:
m If you request a cop <u>List o</u>	ore of the rules pr want a copy of by from the Chief f Water Testing	omulgated under f the permit as i f. <u>Laboratories.</u> Th	Chapter 22, and it is issued on the Office main	nd has faile r a copy o tains a list o	d to abate or f the order of water testi	seek review of the denying the pering laboratories v	the violatice ermit, you which vou	n". I should
to test your wa	ter to establish w	ater quality prior to VOLUNTARY	o and after dri	lling. Conta	ct the Chief	to obtain a copy.	,	
Application for order on F orm described ther	a Well Work Peri n WW2-B, a s urv ein.	ve read the instruction on Form WW2 ey plat, and a s	ctions to surfact 2-A, and attact all and erosion	ce owners a nments cons n plan, all f	and that I have sisting of pagor or proposed	ges 1 through well work on m	_ including ny s urface	g a work I and as
l furthe a permit being	er state that I have issued on those r	e no objection to t materials.	he planned wo	ork describe	d in these m	aterials, and I ha	ave no obj	ection to
FOR EXECUT	ION BY A NATUR	RAL PERSON		FO	R EXECUTION	ON BY A CORPO	DRATION,	, ETC.
Louis g	Mampagn ignature	POA Date	10/16/13	Company Name By		SE ENERGY, LLC	10/10/13	
104.5	Jampaer ignature Thompson	POA		Its	OFFICER			Date
	int Name							
					Signature			Date

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that -

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan:
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
B AND R CONSTRUCTION	CUNNINGHAM ENERGY, LLC	1/8	234/397
KEOSAUZUA, LLC	CUNNINGHAM ENERGY, LLC	1/8	240/29
	SEE ATTACHED AGREEMENT		

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application he reby a cknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be ac quired f rom the appr opriate aut hority bef ore t he af fected activity is initiated

Well Operator:

RAVEN RIDGE ENERGY, LLC

RYAN CUNNINGHAM

By:Its:

OFFICER

Received

OCT 1 5 2013

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WV Dept. of Environmental Protection Office of Oil and Gas

AGREEMENT

This agreement is made and entered into this 16th day of February, 2012 by and between Cunningham Energy, LLC, a West Virginia limited liability company and Raven Ridge Energy, LLC, a West Virginia limited liability company.

This agreement gives permission to Raven Ridge Energy to operate any leases (owned property or otherwise leased) maintained by Cunningham Energy, LLC for any and all past, current or future projects to be developed by or for Cunningham Energy, LLC.

CUNNINGHAM ENERGY, LLC

Owner

RAVEN RIDGE ENERGY

State of West Virginia County of Kanawha

The foregoing instrument was acknowledged before me this 16th day of February, 2012 by Ryan E. M. Cunningham, Officer of Raven Ridge Energy, LLC., a West Virginia Limited Liability Company, on behalf of the company.

Danie A Barre Public

Olin 2015
Wy Commission Expires

State of West Virginia County of Kanawha

The foregoing instrument was acknowledged before me this 16th day of February, 2012 by Ryan E. M. Cunningham, Owner of Cunningham Energy, LLC., a West Virginia Limited Liability Company, on behalf of the company.

Cabrutte A Motory Public

My Commission Expires

Received

OCT 1 5 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

WW-9 RECEIVED

(5/13) Office of Oil and Gas

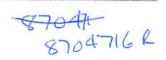
	Page	of	
API Number 47 -087	-04716		
Operator's Well	No. CE LAMB 12		

NOV 1 8 2013

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

WV Deponies Projection Fluids/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name_RAVEN RI	DGE ENERGY, LLC OP Code 494485865
Watershed (HUC 10) TRIB	UTARY OF POCATALICO RIVER Quadrangle LOONEYVILLE
Elevation 862'	County_ROANE District_SMITHFIELD
20 K 00 1 L0 KU	re than 5,000 bbls of water to complete the proposed well work? Yes No X No Proposed well work? Yes No X
	be anticipated pit waste: THE PIT WILL ONLY BE USED FOR SERVICE RIG WATER
	er be used in the pit? Yes X No If so, what ml.?
	Method For Treated Pit Wastes:
	and Application Inderground Injection (UIC Permit Number) euse (at API Number) off Site Disposal (Supply form WW-9 for disposal location) ther (Explain)
Will closed loop system be	used? NO
Drilling medium anticipated	for this well? Air, freshwater, oil based, etc. AIR, FRESHWATER
-If oil based, what	ype? Synthetic, petroleum, etc. N/A
Additives to be used in drill	ng medium? N/A
Drill cuttings disposal method	od? Leave in pit, landfill, removed offsite, etc. N/A
-If left in pit and pl	an to solidify what medium will be used? (cement, lime, sawdust)
-Landfill or offsite	name/permit number?
on August 1, 2005, by the Oprovisions of the permit are law or regulation can lead to I certify under per application form and all a obtaining the information,	ristand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued ffice of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the enforceable by law. Violations of any term or condition of the general permit and/or other applicable enforcement action. alty of law that I have personally examined and am familiar with the information submitted on this tachments thereto and that, based on my inquiry of those individuals immediately responsible for I believe that the information is true, accurate, and complete. I am aware that there are significant to information, including the possibility of fine or imprisonment.
Company Official Signature	
	Jame) RYAN CUNNINGHAM
Company Official Title O	FFICER
Subscribed and sworn/befor Othy J. Jaune My commission expires 10/	e me this 10 day of OCTOBER OFFICIAL SEAL Notary Public, State of West Virginia CATHY J TOWNSEND KEETEN 259 Scenic River Road Procedus, WV 25164



Form WW-9 Operator's Well No. CE LAMB 12 Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH __Tons/acre or to correct to pH 6.5 Fertilizer (10-20-20 or equivalent) 1/3 TON lbs/acre (500 lbs minimum) Mulch HAY 2 Tons/acre Seed Mixtures Area I Area II Seed Type lbs/acre Seed Type lbs/acre **KY-31** 40 ORCHARD GRASS 15 5 ALSIKE CLOVER ALSIKE CLOVER 5 ANNUAL RYE 15 Attach: Drawing(s) of road, location, pit and proposed area for land application. Photocopied section of involved 7.5' topographic sheet. RECEIVED Office of Oil and Gas Plan Approved b Comments: WV Department of **Environmental Protection** uspecto1 Field Reviewed?

Form W-9

RAVEN RIDGE ENERGY, LLC. C.E. LAMB 12

87-04714R

DOMETSITY ZEL 11413 Proposed Well Proposed ZWerf HUPP Surveying & Mapping Draftec BY

10/10/19

Date Drafted

Received

OCT 15 2013

Job Yumber:

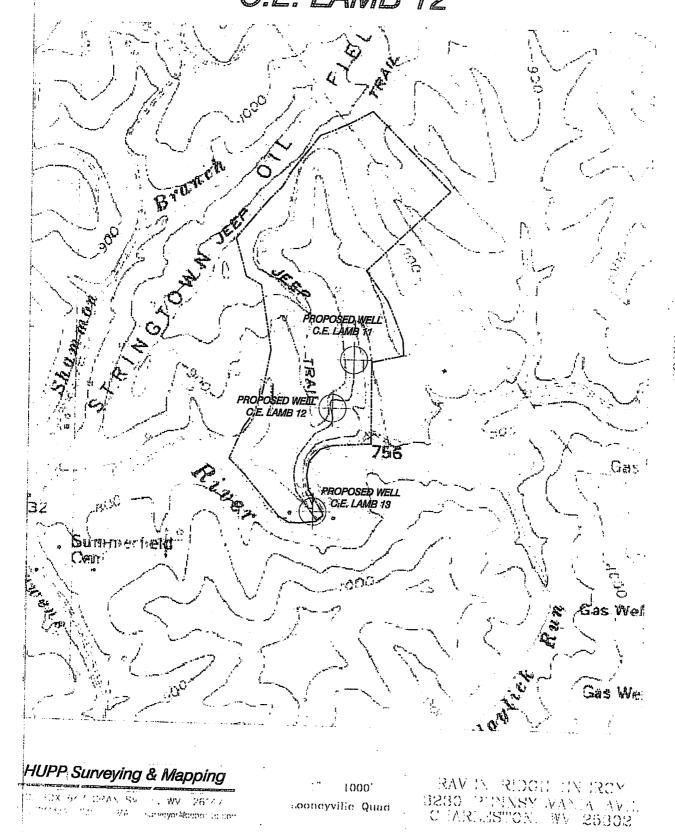
Office of Oil and Gas

WW Dept. of Environmental Protection Office of Oil and Gas

Form W-9

RAVEN RIDGE ENERGY C.E. LAMB 12

Page 1 of 1



cooncyville Quad

WA Surveyor Magazo Ltd. com

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Office of Environmental Protection

